STANDARD OPERATING PROCEUDRE

FIELD EQUIPMENT DECONTAMINATION

1.0 SCOPE AND APPLICATION

This procedure is applicable to removing organic contaminants from reusable field equipment used to collect water, fish, sediment, or soil sediments.

2.0 METHOD SUMMARY

Equipment is sequentially washed with a detergent and then rinsed with polar and nonpolar solvents, and water. Clean equipment not immediately reused is wrapped in solvent-rinsed aluminum foil, or otherwise protected from recontamination.

3.0 PROCEDURE

Note: much of the following information is taken from U.S. EPA/U.S. ACOE (1995).

3.1 Materials and Supplies

- Distilled water
- Non-phosphate soap (e.g., Alconox)
- Reagent-grade methanol
- Reagent-grade n-hexane
- "Like-rags" or paper towels
- Aluminum foil
- Scrub brushes
- Garbage bags
- Zip-lock bags
- Basins to wash in and collect rinsates

3.2 Procedure

[Note: This cleaning procedure should be applied to appropriate equipment at a frequency (between stations; between between sampling transects; etc.) specified in the project-specific field sampling plan.]

Preparation

Prepare the following waste containers: waste baskets lined with plastic garbage bags for paper towels; 3 basins for soapy water, tap water rinses, and solvent rinses.

Cleaning Procedure

1) Wipe off all visible materials using "Like-rags" or paper towels.